



## Description

The air-cooled hand-held laser welding machine is a lightweight and stable hand-held laser welding machine. With 1080nm continuous laser, the beam quality is good and the welding penetration is strong. Suitable for welding of carbon steel, stainless steel, aluminum, galvanized sheet and copper. Its light and compact volume is convenient for carrying, especially suitable for outdoor work and work scenes that need to be moved frequently.

## Features

1. Super light: The total weight is just 60kg, It is very easy to carry to work outdoors.
2. High Speed: Up to 4X Faster than traditional methods - increased productivity for lower costs-per-part.
3. High Quality: Consistent welding of thick, thin and reflective metals without distortion, undercut or burn-through - minimal heat affected zone.
4. Easy to Use: Simple set up, easy to learn and operate for consistent high-quality welds.
5. Wobble Welding: Up to 5 mm of additional weld width - increases capability and creates highly aesthetic seams.

## Parameter

Model	AC -1000HLW	AC -1500HLW
Type of laser	Continuous fiber laser	
Rated output power	1000W	1500W
Laser central wavelength	1080±3 nm	
Length of welding cable	10M	
Type of welding torch	Welding head with left and right swing vibrators	
Collimation length	50 mm	
Focal distance	F=150mm	
Wire feeding diameter	0.8mm 1.0mm 1.2mm 1.6mm	
Working voltage	AC220V 1-phase	
Power	<3.5 kw	<5 kw